Amendments to the Claims/Listing of Claims

Please amend claims 12, 19, 23 and 24, and cancel claims 13-18, 20, 21 and 25-31 as follows. This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Original) A compound having the structure:

$$R^2$$
 R^3
 R^4
 R^5
 R^5
 R^5
 R^5
 R^5

wherein:

A is a C3 up to C8 branched chain alkyl or substituted alkyl group, a C3 up to C7 cycloalkyl or substituted cycloalkyl, an optionally substituted aryl or an optionally substituted heteroaryl,

X is -C(O)- or $-CH_2$ -,

R is methyl or ethyl,

R¹ is H, hydroxy, alkoxy, benzoyloxy, mesityloxy, or -OCH₂C(O)OC₂H₅,

R² is H or R² can cooperate with R³ to form a benzopyran, wherein the pyran ring has the structure:

wherein:

R⁶ is not present if the pyran ring is unsaturated, or, if present, is selected from H, -OR, wherein R is alkyl or acyl, or R⁶ can cooperate with R⁷ to form a cyclic acetal, a cyclic ketal, or a cyclopropyl moiety, and

only one of R⁷ and R⁸ is present if the pyran ring is unsaturated, or R⁷ and R⁸ are independently H, carboxyl, cyano, hydroxy, alkoxy, thioalkyl, aryl, or R⁷ and R⁸ taken together comprise a carbonyl oxygen or an oxime nitrogen, or either R⁷ or R⁸ can cooperate with R⁶ to form a cyclic acetal, a cyclic ketal, or a cyclopropyl moiety, R³ can cooperate with R² to form a benzopyran having the structure set forth above, or R³ is alkenyl, optionally substituted aryl or heteroaryl, or optionally substituted arylalkenyl or heteroarylalkenyl,

R⁴ is H or hydroxy, and R⁵ is H, hydroxy, alkoxy or aryloxy.

- 2. (Original) The compound of claim 1 wherein R² and R³ cooperate to form a benzopyran.
- 3. (Original) The compound of claim 2 wherein A is cyclopropyl, X is -C(O)-, R^1 is methoxy, R^6 and R^7 are absent, and R^4 , R^5 and R^8 are hydrogen.
- 4. (Original) The compound of claim 2 wherein A is cyclopropyl, X is $-CH_{2^-}$, R^1 is methoxy, R^6 and R^7 are absent, and R^4 , R^5 and R^8 are hydrogen.

- 5. (Original) The compound of claim 2 wherein A is cyclohexyl, X is -C(O)-, R¹ is methoxy, R⁶ and R⁷ are absent, and R⁴, R⁵ and R⁸ are hydrogen.
- 6. (Original) The compound of claim 2 wherein A is phenyl, X is -C(O)-, R^1 is methoxy, R^6 and R^7 are absent, and R^4 , R^5 and R^8 are hydrogen.
- 7. (Original) The compound of claim 2 wherein A is phenyl, X is -C(O)-, R¹ is methoxy, R⁶ and R⁷ cooperate to form a dichlorocyclopropyl ring, and R⁴, R⁵ and R⁸ are hydrogen.
- 8. (Original) The compound of claim 2 wherein A is cyclohexyl, X is -C(O)-, R¹ is methoxy, R⁶ and R⁷ cooperate to form a dichlorocyclopropyl ring, and R⁴, R⁵ and R⁸ are hydrogen.
 - 9. (Original) The compound of claim 1 wherein R³ is alkenyl.
- 10. (Original) The compound of claim 9 wherein A is cyclohexyl, X is -C(O)-, R¹ R², R⁴ and R⁵ are hydrogen, and R³ is -CH=CH-C(O)-O-tBu.
- 11. (Original) The compound of claim 1 wherein R³ is optionally substituted aryl or heteroaryl.
- 12. (Currently amended) The compound of claim 11 wherein said compound is selected from the group consisting of compounds wherein:

A is cyclohexyl,

X is -C(O)-,

R¹, R², R⁴ and R⁵ are each hydrogen, and

R³ is <u>selected from the group consisting of phenyl</u>, <u>p-thiomethyl-phenyl</u>, <u>m-methoxy-phenyl</u>, <u>m-acetyl-phenyl</u>, <u>5-methyl-2-thiophene-yl</u>, <u>5-acetyl-2-thiophene-yl</u>, <u>4-dimethylamino-phenyl</u>, and <u>2,3-(O-CH₂-O)-phenyl</u>.

13.-18. Cancelled.

19. (Currently amended) The compound of claim 11 wherein said compound is selected from the group consisting of compounds wherein:

A is isopropyl,

X is -C(O)-,

R¹, R², R⁴ and R⁵ are each hydrogen, and

R³ is 4-dimethylamino-phenyl or 2,3-(O-CH₂-O)-phenyl.

20.-21. Cancelled.

- 22. (Original) The compound of claim 1 wherein R³ is or optionally substituted arylalkenyl or heteroarylalkenyl.
- 23. (Currently amended) The compound of claim 22 wherein said compound is selected-from the-group-consisting-of-compounds-wherein:

A is cyclohexyl,

X is -C(O)-,

 R^1 , R^2 , R^4 and R^5 are <u>each</u> hydrogen, and

R³ is <u>selected from the group consisting of</u> -CH=CH-phenyl, -CH=CH-p-methoxy-phenyl, -CH=CH-o-fluoro-phenyl, -CH=CH-m-fluoro-phenyl, and -CH=CH-p-fluoro-phenyl.

24. (Currently amended) The compound of claim 22 wherein said compound is selected from the group consisting of compounds wherein:

A is isopropyl,

X is -C(O)-,

R¹, R², R⁴ and R⁵ are each hydrogen, and

R³ is <u>selected from the group consisting of</u> -CH=CH-phenyl, -CH=CH-o-fluoro-phenyl, and -CH=CH-p-fluoro-phenyl.

25.-31. Cancelled.

32. (Original) A formulation comprising at least one compound according to claim 1 in a pharmaceutically acceptable carrier therefor.